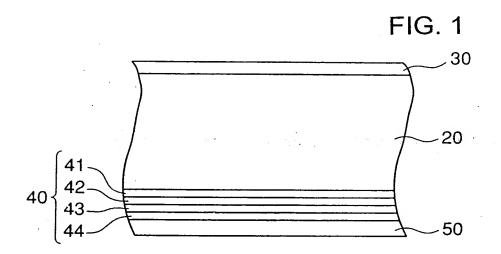
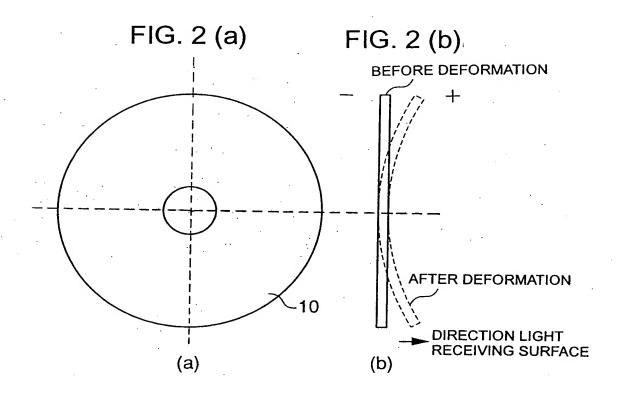
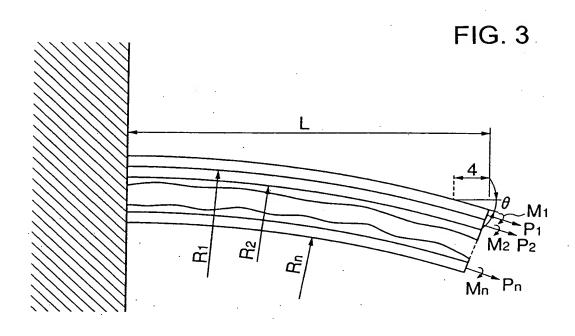
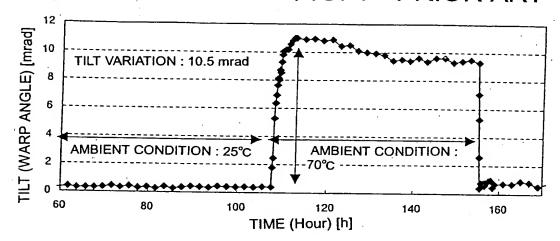
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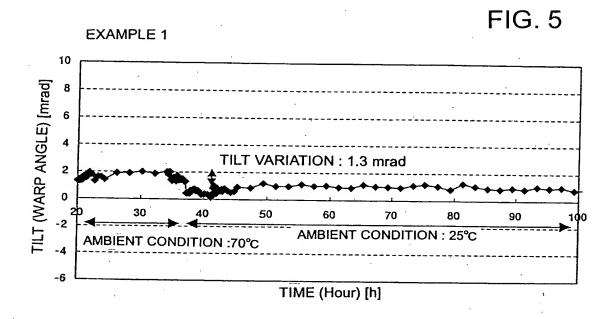


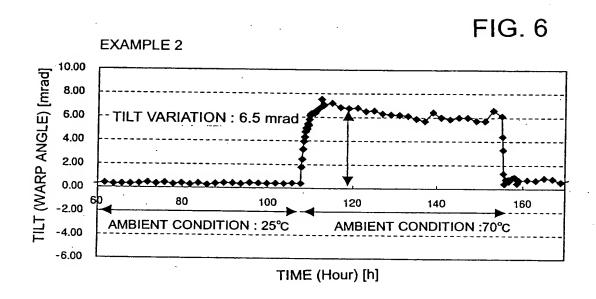


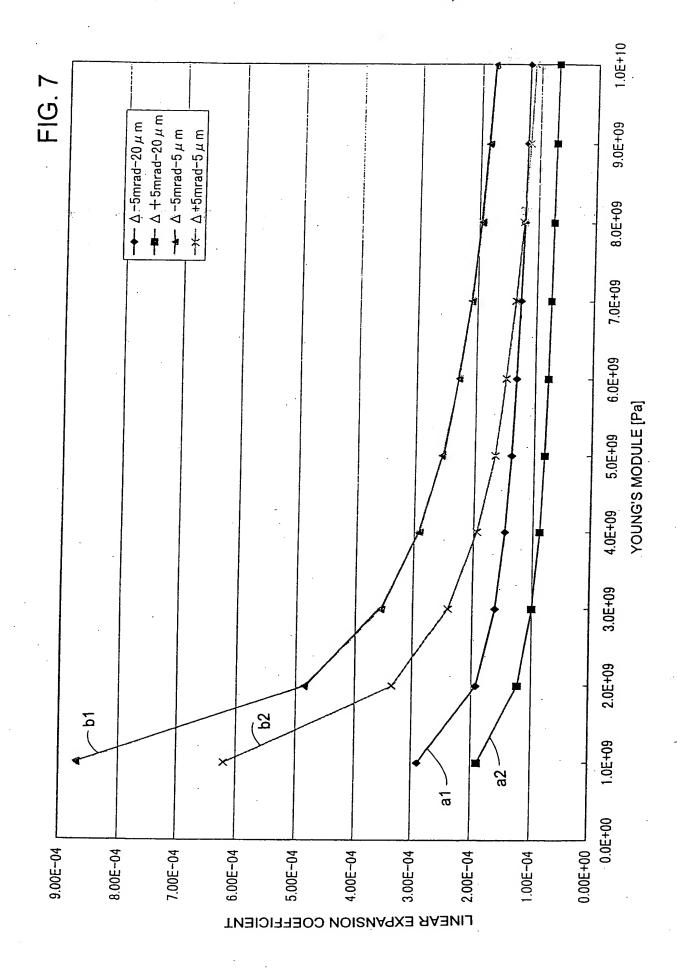












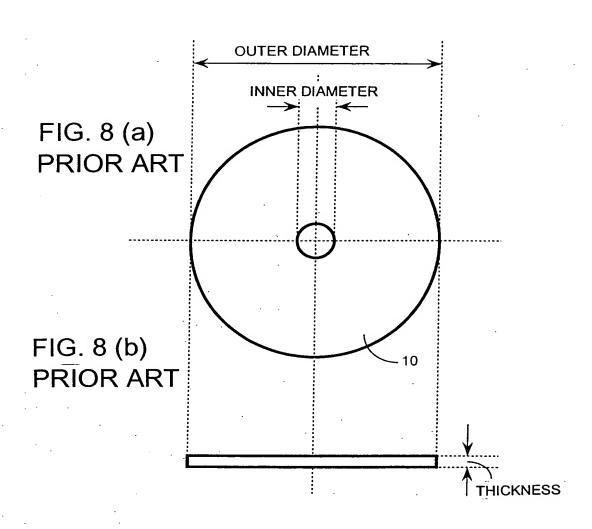


FIG. 9 PRIOR ART

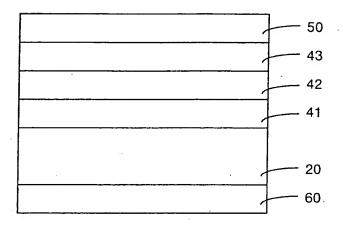


FIG. 10 PRIOR ART

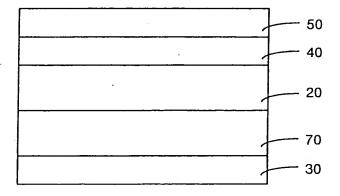


FIG. 11

EXAMPLE 1				LINEAR
			YOUNG'S	EXPANSION
	MATERIAL	THICKNESS	MODULUS	COEFFIEIENT
			(Pa) ·	(1/℃)
TRANSPARENT				
SUBSTRATE 20	POLYCARBONATE	0.5mm	2.41E+09	6.00E-05
THIN FILM		:		
LAYER 40	ALUMINUM NITRIDE	65nm	3.43E+11	5.60E-06
PROTECTIVE				
FILM 50	UV CURING RESIN 1	16µm	5.40E+09	9.50E-05

FIG. 12 PRIOR ART

COMPARATIVE				LINEAR
EXAMPLE 1			YOUNG'S	EXPANSION
•	MATERIAL	THICKNESS	MODULUS	COEFFIEIENT
			(Pa)	(1/℃)
TRANSPARENT				
SUBSTRATE 20	POLYCARBONATE	0.5mm	2.41E+09	6.00E-05
THIN FILM				
LAYER 40	ALUMINUM NITRIDE	65nm	3.43E+11	5.60E-06
PROTECTIVE				
FILM 50	UV CURING RESIN 2	16µm	5.40E+09	5.62E-05

FIG. 13

EXAMPLE 2				LINEAR
			YOUNG'S	EXPANSION
	MATERIAL	THICKNESS	MODULUS	COEFFIEIENT
			(Pa)	(1/℃)
TRANSPARENT				
SUBSTRATE 20	POLYCARBONATE	0.5mm	2.41E+09	6.00E-05
THIN FILM				
LAYER 40	ALUMINUM NITRIDE	65nm	3.43E+11	5.60E-06
PROTECTIVE				
FILM 50	UV CURING RESIN 3	16µm	9.00E+09	5.68E-05

